

INFORMATION DISCLOSURE STATEMENT NO. 1			
SECTION A			
			ATTY. DOCKET NO. 0590112
			SERIAL NO. 08/904,594
			APPLICANT PETER J. JESSUP ET AL.
			FILING DATE August 1, 1997
			GROUP 1764
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
1			Chevron Salt Lake City 80/87 Aviation Gasoline (Exhibits 9690 and 9690A in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
1			Zaghini, <u>SAE 730836</u> , "Polynuclear Aromatic Hydrocarbons in Vehicle Exhaust Gas" (1973) (Exhibit 6291 in <u>Union Oil of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
1			Morris, "The Interaction Approach to Gasoline Blending" National Petroleum Refiners Association, AM-75-30, NPRA 73 rd Annual meeting, San Antonio, Texas, March 23-25, 1975 (Exhibit 890 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
1			Nakajima et al., <u>SAE 780612</u> , "The Influence of Fuel Characteristics on the Vaporization in S.I. Engine Cylinder During Cranking at Low Temperature," 1978 (Exhibit 6404 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			File History of U.S. Patent 4,812,146, Jessup, "Liquid Fuels of High Octane Values," issued March 4, 1998 (Exhibit 45 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			Howell Unleaded Racing Gasoline (1988) (Exhibit 203 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			Union Oil Unleaded Racing Gasoline (ULRG) Charlotte (1988) (Exhibits 287 and 897 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			Union Oil ULRG Powell-Duffryn (1989) (Exhibit 202 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			Union Oil Aviation Gasoline No. 36 (1978) (Exhibit 8230 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
			Oberfell et al. "Thermal Alkylation and Neohexane," presented at the Twentieth Annual meeting of the API, Chicago, Illinois, Nov. 9-17, 1939 (Exhibit 5014 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))
Examiner: <u>DRYDEN</u> Date Considered <u>4-28-98</u> *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with Next communication to applicant.			

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Section A

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		1989-1990 ARCO EC-1 an EC-P (Exhibits 27, 28, 29, 30 and 11877 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		"GM Still Wants Costly Light Gasoline" <u>Oil & Gas Journal</u> , Oct. 2, 1972, pp. 44-46 (Exhibit 876 in <u>Union Oil Co. of Calif. vs ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		"GM Bids for Radically New Gasoline." <u>Oil & Gas Journal</u> , January 17, 1972, pp. 953-4 (Exhibit 11,801 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		Adams, "New Technology Complements an Aliphatic Route for Future Gasolines," published by API, Proceedings - Division of Refining - 1973 - Philadelphia, Penn., May 14-17, 1973 (Exhibit 10,283 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		CRC Report No. 454, "Effect of Altitude Changes on Octane Number Requirement of Late Model Cars," Oct. 1973 (Exhibit 1240 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		ARCO Reformulated Gasoline "Reformulated Gasoline for Clean Air, An ARCO Assessment," by K. L. Boekhaus et al., for "Roads to Alternative Transportation Fuels" 2 nd Biennial U.C. Davis Conference on Alternative Fuels, July 12, 1990 (Exhibit 1333 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		CRC Report No. 477, "1973 CRC Fuel Rating Program Part I : Road Octane Performance in 1973 Model Cars," February 1975 (Exhibit 6221 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
		CRC Report No. 493, "1976 CRC Octane Number Requirement Survey," July 1977 (Exhibit 6224 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
<p>Examiner: _____ Date Considered _____</p> <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with Next communication to applicant.</p>			

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Section A

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INFORMATION DISCLOSURE STATEMENT NO. 1			ATTY. DOCKET NO. 059112	SERIAL NO. 08/904,594
SECTION A				
			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE August 1, 1997	GROUP
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
			Stebar <u>SAE 720934</u> , "New Emphasis on Fuel Volatility - Effects on Vehicle Warmup with Quick-Release Chokes," 1972 (Exhibit 6284 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Date et al., <u>SAE 770811</u> , "Road Octane Number Trends of Japanese Passenger Cars," 1977 (Exhibit 6401 in <u>Union Oil. Of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Marbach et al., <u>SAE 790204</u> , "A Novel Laboratory Method for Evaluating Induction System Deposits in Gasoline Engines," Feb. 26 - March 2, 1979 (Exhibit 6410 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			ARCO LOD 1 and LOD 2 (Exhibits 7036, 7048, and 7056 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Lieder, "The Impact on Fuels of the 1990 Clean Air Act Amendments," National Petroleum Refiners Association, FL-90-110, presented at the NPRA National Fuels and Lubricants Meeting, Nov. 1-2, 1990, Houston, Texas (Exhibit 7813 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Piel and Thomas "Ethers: A Key Ingredient for Reformulated Gasoline," The National Conference on Octane Quality and Reformulated Gasoline, March 29, 1990 (Exhibit 11844 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Ockerbloom, "Reformulation of Gasoline Impact on Basic Petrochemical Aromatics-An Early Appraisal," The National Conference on Octane Quality and Reformulated Gasoline March 29, 1990 (Exhibit 11844 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
			Piel, "Ethers Will Play Key Role in "Clean" Gasoline Blends," <u>Oil & Gas Journal</u> , pp. 40-44 Dec. 4, 1989 (Exhibit 7476 in <u>Union Oil Co. of Calif. vs. ARCO et al.</u> , C.D. Ca, Case No. CV-95-2379 KMW (JRx))	
Examiner: <u>CPM/BS</u>			Date Considered <u>4-2-94</u>	
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant.</p>				

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Section D

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INFORMATION DISCLOSURE STATEMENT NO. 1

SECTION B

APPLICANT
PETER J. JESSUP ET AL.

FILING DATE August 1. 1997	GROUP 1764
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U. S. PATENT DOCUMENTS

Examiner: HM (yes)

Date Considered

4-28-98

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Section B

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INFORMATION DISCLOSURE STATEMENT NO. 1										ATTY. DOCKET NO. 0590112	SERIAL NO. 08/904,594				
SECTION C															
										APPLICANT PETER J. JESSUP ET AL.					
										FILING DATE August 1, 1997	GROUP				
U. S. PATENT DOCUMENTS															
*Exam Initial			DOCUMENT NUMBER					DATE	NAME	CLASS	Sub Class	Filing Date			
<i>JM</i>			H	1	3	0	5	05/03/94	Townsend et al.	44	449				
	R	E	2	0	5	9	6	12/21/37	Taylor et al.						
	1	4	0	9	4	0	4	03/14/22	Ramage						
	2	0	3	2	3	3	0	02/25/36	Roberts et al.	196	11				
	2	1	4	2	9	3	7	01/03/39	Deanesly et al.						
	2	1	9	0	4	8	0	02/13/40	Nichols, Jr., et al.						
	2	2	0	4	2	1	5	06/11/40	Greensfelder et al.						
	2	2	0	9	9	0	4	07/23/40	McCulloch et al.						
	2	4	0	1	9	8	3	06/11/46	Stanly et al.						
	2	4	0	7	7	1	6	09/17/46	Marschner						
	2	4	0	7	7	1	7	09/17/46	Marschner						
	2	4	0	9	1	5	7	10/08/46	Schulze et al.						
	2	4	1	1	5	8	2	11/26/46	McCulloch						
	2	4	9	5	6	4	8	01/24/50	Voge et al.						
	2	5	9	3	5	6	1	04/22/52	Herbst et al.	44	69				
	2	8	5	7	2	5	4	10/21/58	Thomas	44	63				
	2	9	3	9	8	3	6	06/07/60	Koome et al.						
	2	9	4	4	0	0	3	07/05/60	Ritedisnlj et al.						
	2	9	6	8	6	0	9	07/17/61	Lutz	208	100				
<i>J</i>	3	0	0	2	9	1	7	10/03/61	Hamilton	208	79				
<i>J</i>	3	0	0	9	7	8	9	11/21/61	Jordan et al.						
<i>J</i>	3	0	0	9	7	9	1	11/21/61	Emrick						
FOREIGN PATENT DOCUMENTS															
			DOCUMENT NUMBER					PUBLICA-TION DATE	COUNTRY	CLASS	Sub CLASS	TRANS.			
			2	1	3	1	3	6	5/23/52	Australia (Spijker)	208	17	YES	NO	
			4	6	6	5	1	1	A	01/15/92	European Pat. App.				
Examiner: <i>JM</i> Date Considered <i>4-28-98</i>															
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INFORMATION DISCLOSURE STATEMENT NO. 1 SECTION C

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*Exam Initial	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	Filing Date
dhv	3	0	3	0	0	7	8	05/15/62	McCall et al.	_____	_____	
	3	1	5	0	0	4	0	11/10/64	Hart	_____	_____	
	3	3	8	5	0	0	0	05/28/68	Feld et al.	_____	_____	
	3	3	9	1	0	7	7	07/02/68	Osborne	208	256	
	3	0	5	0	0	0	4	04/25/72	Graven	_____	_____	
	3	0	8	5	5	0	2	08/22/72	Oberdorfer, Jr.	123	119R	
	3	7	5	3	0	7	0	8/21/73	Strang et al.	44	432	
	3	7	5	0	0	0	1	09/11/73	Bridgeford et al.	208	78	
	3	7	6	5	8	4	8	10/16/73	Brent	44	51	
	3	7	6	5	7	0	0	01/15/74	Strang	44	66	
	3	7	9	0	4	0	5	03/05/74	Howland et al.	_____	_____	
	3	0	3	0	3	0	2	09/17/75	Shang et al.	_____	_____	
	3	9	7	3	2	7	6	03/25/75	Haemmerle et al.	44	63	
	3	0	0	0	7	5	9	06/03/75	McNamee	_____	_____	
	3	0	9	0	0	0	9	07/15/75	Polss	_____	_____	
	3	9	0	2	0	7	0	09/02/75	Rollmann et al.	44	6	
	3	0	0	3	1	9	4	09/02/75	Hutson, Jr., et al.	_____	_____	
	3	9	9	4	5	0	8	09/09/75	Whyte, Jr. et al.	_____	_____	
	3	0	2	0	0	0	6	11/18/75	Haemmerle et al.	44	63	
	3	0	5	5	0	3	8	5/11/76	Graham et al.	44	305	
	3	9	5	2	5	0	1	05/18/76	Chapman	_____	_____	
	3	9	0	4	4	4	8	05/18/76	Haemmerle et al.	44	63	
	3	0	0	0	1	2	2	10/26/76	Rosenthal et al.	44	452	
	9	9	1	7	2	0	8	04/12/77	Gilley	44	52	
	4	0	2	2	0	0	8	05/10/77	Alquist et al.	_____	_____	
	0	0	0	5	4	0	2	08/30/77	Keller	302	66	
	4	1	1	2	8	0	9	09/12/78	Harpman	123	25 B	
	4	1	1	8	4	2	5	10/02/78	Herbetman	_____	_____	
Examiner:	dhv							Date Considered	A-28-98			

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<i>AM</i>		4	1	6	6	0	3	6	12/25/79	Wolf	123	122 E	
		4	1	9	4	6	8	8	03/25/80	Ripple	44	70	
		4	2	0	5	9	6	8	06/03/80	Bryant	44	68	
		4	2	1	1	6	3	9	07/08/80	Jackson	208	188	
		4	2	1	4	8	7	6	7/29/80	Garth et al.	44	404	
		4	2	1	5	9	9	7	8/5/80	Sandy	44	367	
		4	2	2	6	1	2	6	09/02/80	Jackson, deceased, et al.	—	—	
		4	2	3	1	7	5	6	11/04/80	King	44	53	
		4	2	4	4	7	0	3	01/81	Kaspaul	44	56	
		4	2	9	4	5	8	7	10/31/81	Burns	—	—	
		4	2	9	5	8	8	1	10/20/81	Burns	—	—	
		4	6	8	8	3	7	3	08/04/87	Vataru et al.	44	63	
		4	6	9	9	9	2	9	10/13/87	Croudace et al.	44	429	
		4	7	2	0	2	8	8	01/19/88	Croudace et al.	—	—	
		4	7	3	7	1	9	9	4/12/88	Phillips	44	419	
		4	2	9	5	8	9	2	10/20/81	Burns	—	—	
		4	2	9	7	1	7	2	10/27/81	Kyle	203	19	
		4	3	1	7	8	3	8	1/26/82	Singerman	44	447	
		4	3	1	3	7	3	8	02/02/82	Parlman et al.	—	—	
		4	3	1	8	9	8	1	3/16/82	Singerman	44	447	
		4	3	2	7	8	8	1	3/23/82	Parlman	—	—	
		4	3	2	1	8	8	3	3/23/82	Burns	—	—	
		4	3	2	2	3	8	4	03/30/82	Parlman et al.	—	—	
		4	3	2	9	5	8	9	04/13/82	Klimczak	—	—	
		4	3	3	6	0	3	2	06/22/82	Kupka et al.	44	56	
		Examiner: <i>AM</i> Date Considered <i>4-25-98</i>											
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Section C

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	4	3	3	9	2	4	5	7/13/82	Burns	—	—		
	4	3	4	1	5	2	9	7/27/82	Burns	—	—		
	4	3	4	7	0	6	2	08/31/82	Born et al.	44	68		
	4	3	7	2	7	5	2	02/08/83	Lamy	—	—		
	4	3	7	8	2	3	0	03/29/83	Rhee	44	51		
	4	3	7	8	2	3	1	3/29/83	Burns	—	—		
	4	3	8	7	2	5	7	6/7/83	Burns	585	14		
	4	3	8	8	0	8	1	6/14/83	Burns	44	443		
	4	4	1	7	9	0	4	11/29/83	Burns et al.	—	—		
	4	4	2	0	9	3	0	12/20/83	Beuther et al.	60	39		
	4	4	2	9	1	7	3	01/31/84	Hutson et al.	—	—		
	4	4	3	7	4	3	6	03/20/84	Graiffe	—	—		
	4	4	4	4	5	6	7	4/24/84	Burns et al.	—	—		
	4	4	5	5	9	0	9	5/1/84	Burns	—	—		
	4	4	6	8	2	3	3	08/28/84	Bruderreck et al.	—	—		
	4	4	7	4	5	8	0	10/02/84	MacKenzie et al.	44	68		
	4	5	0	1	5	9	6	2/26/85	Burns	44	341		
	4	5	0	8	6	1	7	04/02/85	Montgomery	—	—		
	4	5	2	5	1	7	4	06/25/85	Croudace	—	—		
	4	5	7	1	4	3	9	02/18/86	Keyworth	—	—		
	4	5	7	9	9	9	0	04/01/86	Keyworth	—	—		
	4	6	0	0	4	0	8	07/15/86	Jessup et al.	—	—		
	4	6	0	2	9	1	9	07/29/86	Jessup et al.	—	—		
	4	6	0	7	1	2	9	08/19/86	Lee	—	—		
	4	6	4	7	2	9	2	03/03/87	Jessup et al.	—	—		
	4	6	4	7	3	6	8	03/03/87	McGuiness et al.	—	—		
	4	7	4	3	2	7	3	5/10/88	Croudace et al.	44	418		
	4	7	7	3	9	1	6	9/27/88	Croudace et al.	44	440		
Examiner:	D. Myers										Date Considered		
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INFORMATION DISCLOSURE STATEMENT NO. 1
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<p><i>[Signature]</i></p> <p>"Automotive Fuels for the 1990's - Challenges and Opportunities" by Joseph M. Colucci, Research Publication, General Motors Research Laboratories, GMR-6589, F&L-882 to be presented at DeWitt and Company - Petrochemical Review Seminar, Houston, TX, March 30, 1989.</p>				
<p>"Vehicle Evaporative and Exhaust Emissions as Influenced by Benzene Content of Gasoline" by Donald E. Seizinger, William F. Marshall, Frank W. Cox, and Martin W. Boyd, National Institute for Petroleum and Energy Research, NIPER-151, DE86 010603, April 16, 1986</p>				
<p>"The Effect of Aromatics Content on Nox Emissions" by Annette Reid Guerrero and James M. Lyons, Toxics and Fuels Section, Mobile Source Division, California Air Resources Board, March, 1990.</p>				
<p>"The Effect of Gasoline Aromatics on Emissions of Nitrogen Oxides in Vehicle Exhaust", by J. A. Gething, Chevron Research and Technology Company, Richmond, CA April 19, 1990.</p>				
<p>"Reformulated Gas No Help in Older Cars" by Matthew L. Wald, The New York Times, appearing in Orange County Register, Dec. 19, 1990.</p>				
<p>"Clean Gasoline" ARCO EC-1 Gasoline</p>				
<p>"Nationwide Gasoline Compositions" (MVMA and SwRI Surveys, 1988)</p>				
<p>"Reformulated Gasoline" Industry Scoreboard</p>				
<p>"Regular Compositions" Average Results for 9 RVP Season</p>				
<p>"Premium Compositions" Average Results for 9 RVP Season</p>				
<p>"The Talbert Information Package" by Talbert Fuel Systems, Inc., dated December 3, 1990.</p>				
Examiner: <i>Amber</i>			Date Considered <i>4-28-98</i>	
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SECTION C			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE August 1, 1997	GROUP
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
<i>HN</i>			'A Study of Factors Influencing the Evaporative Emissions From In-Use Automobiles,' API Publication No. 4406, April, 1985. American Petroleum Institute.	
			'The Effect of Fuel Volatility Variations on Evaporative and Exhaust Emissions,' API Publication 4310, May, 1979. Prepared for the American Petroleum Institute by Exxon Research and Engineering Company.	
			NIPER--143-PPS-86/1, 'Motor Gasolines, Summer 1985,' by C. L. Dickson et al.. Work performed by the American Petroleum Institute and the U. S. Department of Energy, National Institute for Petroleum and Energy Research, Bartlesville, Oklahoma, June 1986.	
			'Petroleum Refinery Engineering,' by W. L. Nelson, Fourth Edition, McGraw Hill Book Company, Inc., 1958, pages 34 and 138.	
			'Future Automotive Fuels,' by Ellis, Automotive Engineering, June 1972, pp. 36-41	
			BERC/RI-76/15, 'Experimental Results Using Methanol and Methanol/Gasoline Blends as Automotive Engine Fuel,' by J. R. Altsup, Published by Bartlesville Energy Research Center, Energy Research and Development Administration, Bartlesville, Oklahoma January 1977, pages 1-7.	
			HESD Report No. 35-32030, 'Emissions and Vehicle Performance with Lower RVP Fuels,' prepared for American Petroleum Institute by Automotive Testing Laboratories, Inc., January 1988.	
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			'NPC: U.S. Refiners Near Top Gasoline Capacity,' Oil & Gas Journal, Oct. 13, 1986, page 30.	
			Pages 47-50 from the Oil & Gas Journal, June 18, 1990.	
			'Motor Fuels, Performance and Testing,' William A. Gruse, Reinhold Publishing Corp., 1967, page 104.	
			'A New Approach to Blending Octanes,' Proceedings American Petroleum Institute, Section III-Refining, New York, NY, Vol. 39, Healy, Jr., et al. (1959), pp. 132-192.	
			Examiner: <i>CHM/HK</i> Date Considered <i>4-28-98</i>	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant.				

INFORMATION DISCLOSURE STATEMENT NO. 1
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INFORMATION DISCLOSURE STATEMENT NO. 1			
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		ATTY. DOCKET NO. 0590112	SERIAL NO. 08/904,594
		APPLICANT PETER J. JESSUP ET AL.	
		FILING DATE August 1, 1997	GROUP 176
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
<p><i>[Signature]</i></p> <p>"Carbon Monoxide Linked to Heart Failure in Elderly." The Orange County Register, October 10, 1995. one page.</p>			
<p><i>[Signature]</i></p> <p>Morton Lippmann, "Health Effects of Ozone: A Critical Review," The Journal of the Air & Waste Management Association, Vol. 39, No. 5, May 1989, pp. 672-695.</p>			
<p><i>[Signature]</i></p> <p>"Health Effects of Ozone: Critical Review Discussion Papers," The Journal of the Air & Waste Management Association, Vol. 39, No. 9, September 1989, pp. 1185-1194.</p>			
<p><i>[Signature]</i></p> <p>F. L. Potter, "Clean Air Act History Marked by Battle, Compromise," Fuel Reformulation, Vol. 1, No. 1, Sept./Oct. 1991, pp. 22-25.</p>			
<p><i>[Signature]</i></p> <p>J. E. Peeples, "A Brave New World for Fuel Reformulation," Fuel Reformulation, Vol. 1, No. 1, Sept./Oct. 1991, pp. 27-31.</p>			
<p><i>[Signature]</i></p> <p>D. R. Lawson, P. J. Grobicki, D. H. Stedman, G. A. Bishop and P. L. Guenther, "Emissions from In-Use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program," Journal of the Air & Waste Management Association, Vol. 40, No. 8, August 1990, pp. 1096-1105.</p>			
<p><i>[Signature]</i></p> <p>B. H. Eccleston and R. W. Hurn, "Comparative Emissions From Some Leaded and Prototype Lead-Free Automobile Fuels," United States Department of the Interior, Bureau of Mines, Report of Investigations 7390, 1970, pp. 1-24.</p>			
<p><i>[Signature]</i></p> <p>R. K. Stone and B. H. Eccleston, "Vehicle Emissions vs. Fuel Composition," API-Bureau of Mines- Part II, 1969, pp. 651-690.</p>			
<p><i>[Signature]</i></p> <p>"Motor-Fuel Composition and Photochemical Smog," API Publication 4247, Final Report (Part I), April 1975.</p>			
<p><i>[Signature]</i></p> <p>"Motor-Fuel Composition and Photochemical Smog," API Publication 4247, Reference Data Report (Part 2), April 1975.</p>			
<p><i>[Signature]</i></p> <p>"Gasoline Consumption by State, 1991," National Petroleum News, Vol. 84, No. 7, Mid-June 1992, p. 94.</p>			
<p><i>[Signature]</i></p> <p>Brown, J. E., Greenlee, K. W., Tindall, E. M., "Octane Numbers of Pure Hydrocarbon Blends and Their Relationship to Precombustion Reactions," American Petroleum Institute's Division of Refining, Vol. 42, [III] (1962).</p>			
Examiner:	<i>[Signature]</i> Date Considered <i>4-28-96</i>		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant.</p>			

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INFORMATION DISCLOSURE STATEMENT NO. 1			ATTY. DOCKET NO. 0590112	SERIAL NO. 08/904.594
SECTION C				
			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE August 1, 1997	
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
<p><i>J.W.</i></p> <p>Knaus, J. A., Lockerbie, T. E., Buerstetta, F. D., and Warren, T. W., "Road Octane Improvement - A Basis For Process Evaluation," presented at the Thirteenth Southwest Regional Meeting of the American Chemical Society, Tulsa, Oklahoma, December 5-7, 1957.</p>				
<p><i>J.W.</i></p> <p>Anglo-Iranian Oil Co., Ltd. Et al., "High-Octane Aviation Fuel by the Sulfuric-Acid Alkylation Process," presented at the Twentieth Annual Meeting of the American Petroleum Institute in Chicago, Illinois, November 9-17, 1939.</p>				
<p><i>J.W.</i></p> <p>Mulac, J. C., McCafferty, R. L., and Meyer, W.A.P., "Carburetor Evaporation Losses - Volatility and Reactivity," presented at the 31st Mid-Year Meeting of the American Petroleum Institute's Division of Refining, Houston, Texas, May 11, 1966</p>				
<p><i>J.W.</i></p> <p>Zwicker, S. L., "Vapor Emission Controls," National Petroleum Refiners Association, FL-85-89. Presented at the 1985 Fuels & Lubricants Meeting, Houston, Texas, November 7-8, 1985.</p>				
<p><i>J.W.</i></p> <p>Duffy, L. J., Everett, N. R., Sevcik, J. J., and Piehle, F. J., "Keeping The Lead Out of Unleaded Gasolines," Proceedings of the American Petroleum Institute's Division of Refining, 1972. Presented at the 37th Mid-Year Meeting of the American Petroleum Institute's Division of Refining, New York, New York, May 8-11, 1972.</p>				
<p><i>J.W.</i></p> <p>"New Gas for Older Cars Will Cut Air Pollution," Chemical & Engineering News, August 21, 1989, pg. 8.</p>				
<p><i>J.W.</i></p> <p>"Effect of Automotive Emission Requirements on Gasoline Characteristics," ASTM STP 487, pages 1-31, 1970.</p>				
<p><i>J.W.</i></p> <p>CRC 434, "Octane Number Requirement Survey," September 1970, cover page, title page and pp. 4-5 and 75-78.</p>				
<p><i>J.W.</i></p> <p>CRC Report No. 445, "Influence of Leaded and Unleaded Fuels on Octane Requirement Increase in 1971 Model Cars," 20 Car Pilot Program at Southwest Research Institute, March 1971, pages 1 to 7, 17, 81-84, & 86.</p>				
<p><i>J.W.</i></p> <p>CRC Report No. 451, "Influence of Leaded and Unleaded Fuels on Octane Requirement Increase in 1971 Model Cars, Phase 1: 1970-1971 CRC Road Rating Program," May 1972, Revised Sept. 1972, pages 6, 7, 19, 96 to 98, 102, & 103.</p>				
Examiner: <i>J.W.</i>			Date Considered <i>8/28/98</i>	
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant.</p>				

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			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE August 1, 1997	GROUP
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
<p><i>AM</i></p> <p>CRC Report No. 455, "Evaluation of a High Temperature Driveability Test Procedure," June 1973 pages 1-3, 8-10, 39 & 40.</p>				
<p><i>AM</i></p> <p>CRC 464, "Octane Number Requirement Survey 1972," September 1973, cover page, title page and pp. 6 and 86-92.</p>				
<p><i>AM</i></p> <p>CRC Report No. 467, "Octane Number Requirement Survey 1973," May 1974, pages 1-4, 6, 75, 76, 96, 97, & Table C-I.</p>				
<p><i>AM</i></p> <p>CRC Report No. 476, "Octane Requirement Increase in 1973 Model Cars, Phase II: 1973 CRC Road Rating Program," February 1975, pages 1-4, 45, 46, 48, & 49.</p>				
<p><i>AM</i></p> <p>CRC Report No. 479, "Octane Number Requirement Survey 1974," August 1975, pages 1-4, 6, 67, 68, 69a, 85, & 85a.</p>				
<p><i>AM</i></p> <p>CRC 486, "Driveability Performance of 1975 Passenger Cars at Intermediate Ambient Temperatures - Paso Robles," May 1976, cover page, title page and pp. 5-6 and 20-21.</p>				
<p><i>AM</i></p> <p>CRC Report No. 488, "1975 CRC Octane Number Requirement Survey," August 1976.</p>				
<p><i>AM</i></p> <p>CRC Report No. 497, "1977 CRC Octane Number Requirement Survey," June 1978, pages 1-5, 117, 118, & 143.</p>				
<p><i>AM</i></p> <p>CRC Report No. 500, "1977 CRC Altitude Program," February 1979, pages 1-3, 76, & 77.</p>				
<p><i>AM</i></p> <p>CRC Report No. 510, "1978 Fuel Rating Program: Road Octane Performance in 1978 Model Cars, August 1979, pages 1-3, 17, & 18.</p>				
<p><i>AM</i></p> <p>CRC Report No. 515, "1979 CRC Octane Number Requirement Survey," April 1980, pages 1-5, C2-C5, D5, and D6.</p>				
<p><i>AM</i></p> <p>CRC Report No. 519, "1980 CRC Octane Number Requirement Survey," January 1981, pages 1-6, C3-C5, D5, and D6.</p>				
Examiner: <i>AM</i>		Date Considered <i>4-28-98</i>		
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		ATTY. DOCKET NO. 0590112	SERIAL NO. 08/904,594
		APPLICANT PETER J. JESSUP ET AL.	
		FILING DATE August 1, 1997	GROUP 1761
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
JAN			
CRC Report No. 520, "1980 CRC Fuel Rating Program: Road Octane Performance in 1980 Model Cars," July 1981, pages 1-3, 17-19, B-6, & B-9.			
JUL			
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AUG			
CRC Report No. 525, "1981 CRC Octane Number Requirement Survey," August 1982, pages 1-7, C1, C4, D2, D3, and D6.			
SEP			
CRC Report No. 533, "1982 CRC Octane Number Requirement Survey," July 1983, pages 1-7, C1, C4, D4, D5, and D8.			
OCT			
CRC Report No. 539, "1983 CRC Octane Number Requirement Survey," August 1983, pages i, 3, 7-11, 19, C1, C4, D4, D5, and D8.			
NOV			
CRC Report No. 541, "1982 CRC Fuel Rating Program: Road Octane Performance of Oxygenates in 1982 Model Cars," July 1985, pages 1-4, and 13-15.			
DEC			
CRC Report No. 544, "1984 CRC Octane Number Requirement Survey," December 1985, the Abstract page, and pages 3, 4, 7-11, 19, C1, C4, D7, and D10.			
JAN			
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JUL			
CRC Report No. 553, "1986 CRC Octane Number Requirement Survey," August 1987, pages i, 1-4, 6, C1, C3, D5, & D8.			
AUG			
CRC Report No. 561, "1987 CRC Octane Number Requirement Survey," August 1988, pages i, 1-7, C1, C3, & D8.			
SEP			
CRC Report No. 563, "1987 CRC Octane Number Requirement Rating Workshop," September 1988, pages I, 1-4, 7, & 8.			
OCT			
CRC Report No. 566, "1988 CRC Octane Number Requirement Survey," August 1989, pages i, 1-4, 6, 7, C1, C3, D3, D6, and D7.			
NOV			
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DEC			
CRC Report No. 570, "1989 CRC Octane Number Requirement Survey," August 1990, the Abstract page, and pages 1-5, 7, 8, D3, D6, D7, Table C-1, and Table C-3.			
Examiner: <i>J. J. JESSUP</i>		Date Considered <i>4-2-98</i>	
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INFORMATION DISCLOSURE STATEMENT NO. 1			ATTY. DOCKET NO. 0590112	SERIAL NO. 08/904,594
SECTION C			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE GROUP August 1, 1997 1764	
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
<p><i>✓</i></p> <p>CRC Report No. 575, "1990 CRC Octane Number Requirement Survey," July 1991, pages i, 1-3, 5, 6, C1, C3, D7, D10, and D11.</p>				
<p><i>✓</i></p> <p>CRC Report No. 578, "Effect of Volatility and Oxygenates on Driveability at Intermediate Ambient Temperatures," March 1992.</p>				
<p><i>✓</i></p> <p>CRC Project No. CM-79-71, "Analysis of 1971 Road Rating Data: Unleaded Gasolines in 1971 Cars, Phase II: 1970-71 CRC Road Rating Program," Coordinating Research Council, Inc., June, 1973.</p>				
<p><i>✓</i></p> <p>"Initial Findings of the 1989 CRC Cold-Start and Warm-Up Driveability Program," Yakima, Washington, CRC Project No. CM-118-89, June 1990, with cover letter dated June 13, 1990, by Beth Evans, Technical Project Coordinator to the Members of the CRC-Automotive Committee and the CRC-Volatility Group, June 13, 1990.</p>				
<p><i>✓</i></p> <p>CRC Project No. CM-118-86/87, "CRC Low- and Intermediate-Temperature Driveability Program Using Gasoline Alcohol Blends," Prepared by the Analysis Panel for the 1986/87 CRC Intermediate- and Low-Temperature Driveability Program, January 1990, page 22 (Table III), and B-7.</p>				
<p><i>✓</i></p> <p>CRC Project No. CM-125-78, "Performance Evaluation of Alcohol-Gasoline Blends in 1980 Model Automobiles," July 1982, page C-13.</p>				
<p><i>✓</i></p> <p>Letter from Coordinating Research Council signed by Beth Evans, dated May 19, 1989, addressed to Unocal Corporation (four pages).</p>				
<p><i>✓</i></p> <p>Letter from Coordinating Research Council signed by Beth Evans, dated November 21, 1988, addressed to Members of the CRC Automotive Committee with an attachment entitled "1989 CRC Program on the Effect of Volatility on Driveability at Intermediate Ambient Temperatures" (November 1988).</p>				
<p><i>✓</i></p> <p>Letter from Alan Zengel to the Members of the CRC Volatility Group, dated December 20, 1988, with attachment letter from Joseph Colucci to Alan Zengel dated December 12, 1988.</p>				
<p><i>✓</i></p> <p>One page memo from E. H. Schanerberger of Ford Motor to Beth Evans of CRC, dated Jan. 11, 1989.</p>				
<p><i>✓</i></p> <p>Cover letter from Beth Evans to the Members of the CRC Volatility Group dated February 7, 1989, with a four page letter attachment from Scott Jorgensen to Alan Zengel.</p>				
<p><i>✓</i></p> <p>Two page letter from A. M. Horowitz to Shirley Bradich dated March 7, 1989 and entitled "Automotive Vehicle Fuel, Lubricant and Equipment Committee."</p>				
<p><i>✓</i></p> <p>Internal, three page Unocal corporate memorandum by Tim Wusz to Gerald Wessler dated March 28, 1988 (apparently misdated, sic March 28, 1989).</p>				
Examiner: <i>✓</i>		Date Considered <i>4-28-98</i>		
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			FILING DATE August 1, 1997	GROUP 1764
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
<p>Letter from R. M. Reuter of Texaco, Inc., dated March 29, 1990 addressed to Participants in the 1989 CRC Driveability Program - Yakima.</p>				
<p>"Unconfirmed Minutes of the Meeting of the Volatility Group of the Automotive Vehicle Fuel, Lubricant, and Equipment Research Committee" for CRC Project No. CM-118-90, dated October 23, 1990.</p>				
<p>"Unconfirmed Minutes of the Meeting of the Volatility Group of the Automotive Vehicle Fuel, Lubricant, and Equipment Research Committee" for CRC Project No. CM-118-91, dated October 9, 1991.</p>				
<p>"Effect of Volatility on Driveability at Intermediate Ambient Temperatures." (CRC Project No. CM-118-89) (Not to be published), prepared by the CRC Volatility Group of Coordinating Research Council, dated January 1992.</p>				
<p>"Released Reports," January 1994, Coordinating Research Council, Inc., Atlanta, Ga.</p>				
<p>"Carburetor Evaporation Losses," by Wentworth, SAE Paper No. 12B presented January 1958 at the SAE Annual meeting (pp. 146-56) in Vehicle Emissions, Society of Automotive Engineers, Technical Progress Series, Vol. 6, 1964.</p>				
<p>Davis, H. P., Uyehara, O. A., and Myers, P. S., "The Effects of Knock On The Hydrocarbon Emissions Of A Spark-Ignition Engine," SAE Technical Paper Series, 690085, International Automotive Engineering Congress, Detroit, Michigan, January 13-17, 1969.</p>				
<p>Nelson, E. E., "Hydrocarbon Control For Los Angeles By Reducing Gasoline Volatility," SAE Technical Paper Series, 690087, International Automotive Engineering Congress, Detroit, Michigan, January 13-17, 1969.</p>				
<p>Duke, L. C., Lestz, S. S., and Meyer, W. E., "The Relation Between Knock and Exhaust Emissions Of A Spark Ignition Engine," SAE Technical Paper Series, 700062, International Automotive Engineering Congress, Detroit, Michigan, January 12-16, 1970.</p>				
<p>McKinney, C. M. and Blade, O. C., "Bureau of Mines - API Survey of Aviation Gasolines, 1969," SAE Technical Paper Series, 700228, National Business Aircraft Meeting, Wichita, Kansas, March 18-20, 1970.</p>				
<p>Carr, R. C., Starkman, E. S., and Sawyer, R. F., "The Influence of Fuel Composition on Emissions of Carbon Monoxide and Oxides of Nitrogen," SAE Technical Paper Series, 700470, Mid-Year Meeting, Detroit, Michigan, May 18-22, 1970.</p>				
<p>Fleming, R. D., Eccleston, D. G., "The Effect of Fuel Composition, Equivalence Ratio, and Mixture Temperature on Exhaust Emissions," SAE Technical Paper Series, 710012, International Automotive Engineering Congress, Detroit, Michigan, January 11-15, 1971.</p>				
Examiner: <i>CHM</i>			Date Considered <i>4-26-98</i>	
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		APPLICANT PETER J. JESSUP ET AL.	
		FILING DATE August 1, 1997	GROUP 1164
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 710136, "The Effect of Gasoline Volatility on Emissions and Driveability," by P. J. Clarke, 1971.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 710138, "Passenger Car Driveability in Cool Weather," by J. D. Benson et al., 1971.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE 710295, "Effect of Fuel and Lubricant Additives on Exhaust Emissions," Mixon et al., Inter-Industry Emission Control, SP-361, January 11-15, 1971, coversheet, pp. 1207-1220.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 710364, "Effects of Fuel Factors on Emissions," by S. S. Sorem, 1971.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 710675, "Octane Requirement Increase in 1971 Model Cars with Leaded and Unleaded Gasolines," by H. A. Bigley, Jr. et al., 1971.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 720700, "Mathematical Expressions Relating Evaporative Emissions from Motor Vehicles Without Evaporative Loss-Control Devices to Gasoline Volatility," by W. F. Biller et al., 1972.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 720932, "The Effect of Gasoline Volatility on Exhaust Emissions," by P. J. Clarke, 1972.</p>			
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<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 730616, "Gasolines for Low-Emission Vehicles, by J. C. Ellis, 1973.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 740520, "Cold Weather Driveability Performance of Late Model Cars," by A. M. Horowitz et al., 1974.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 740694, "Fuels and Emissions -- Update and Outlook, 1974," by R. W. Hurn et al., 1974.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 750120, "Exhaust Emissions, Fuel Economy, and Driveability of Vehicles Fueled with Alcohol-Gasoline Blends," by N. D. Brinkman et al., 1975.</p>			
<p><i>(Handwritten mark)</i></p> <p>SAE Paper No. 750419, "Methanol-Gasoline Blends Performance in Laboratory Tests and in Vehicles," by A. W. Crowley et al., 1975.</p>			
Examiner: <i>(Handwritten signature)</i>		Date Considered: <i>4/28/98</i>	
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		APPLICANT PETER J. JESSUP ET AL.	
		FILING DATE August 1, 1997	GROUP 1764
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
<p>SAE Paper No. 750451. "Establishment of ORI Characteristics as a Function of Selected Fuels and Engine Families," by H. T. Niles et al., 1975.</p>			
<p>SAE Paper No. 750763. "Methanol/Gasoline Blends as Automotive Fuel," by J. R. Allsup, 1975.</p>			
<p>SAE Paper No. 750937. "Octane Number Increase of Military Vehicles Operating on Unleaded Gasoline," by J. D. Tosh et al., 1975.</p>			
<p>SAE 780588. "The Inter-Industry Emission Control Program - Eleven Years of Progress in Automotive Emissions and Fuel Economy Research," McCabe et al., pp. 1-7 (entire document).</p>			
<p>SAE Paper No. 780611. "Fuel Volatility Effects on Driveability of Vehicles Equipped with Current and Advanced Fuel Management Systems," by C. R. Morgan et al., 1978.</p>			
<p>SAE Paper No. 780651. "Hot Weather Volatility Requirements of European Passenger Cars," by R. F. Becker et al., 1978.</p>			
<p>SAE Paper No. 780653. "The Hot-Fuel Handling Performance of European and Japanese Cars," by B. D. Caddock et al., 1978</p>			
<p>SAE Paper No. 780949. "The Effects of Refinery Gasoline Components on Road Octane Quality," by R. E. Burtner et al., International Fuels & Lubricants Meeting, Royal York, Toronto, Nov. 13-16, 1978.</p>			
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			FILING DATE August 1, 1997	GROUP 154
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
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		FILING DATE August 1, 1997	GROUP 1704
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
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Examiner:	<i>AM</i>	Date Considered	<i>4-28-98</i>
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			APPLICANT PETER J. JESSUP ET AL.	
			FILING DATE August 1, 1997	GROUP 1764
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Examiner:	<i>AM</i>		Date Considered	<i>8-98</i>
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			FILING DATE August 1, 1997	GROUP 1764
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
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Examiner: <i>CH M Jev</i>		Date Considered <i>4-28-97</i>		
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			FILING DATE August 1, 1997	GROUP 110
ABSTRACTS OF OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
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			Information Disclosure Statement No. 10 of application SN 08/409,074, filed March 22, 1995.	
			Examiner: <u>John H.</u> Date Considered <u>4-28-98</u>	
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		APPLICANT PETER J. JESSUP ET AL.	
		FILING DATE August 1, 1997	GROUP 764
ABSTRACTS OF OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
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Examiner: <i>AM</i>	Date Considered <i>4-28-98</i>		
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			FILING DATE August 1, 1997	GROUP 764
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)				
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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
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		Examiner: <u>J M Hey</u> Date Considered <u>4-26-98</u>	
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HJ Civil Docket for Case # 95-CV-2379, U.S. District Court, Central District of California		
NIPER (National Institute for Petroleum and Energy Research) computer data regarding properties of Summer gasolines from 1976-86 & 88-90 (688 pages).		
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HJ		
Examiner:	Date Considered 4-28-96	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant.		

INFORMATION DISCLOSURE STATEMENT NO. 1
Section C

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